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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEADLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS EXPRESS	MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS INTER	General Internet Information		
NEWS LOGIN	Welcome Banner and News Items		
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN		
NEWS WWW	CAS World Wide Web Site (general information)		

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\* \* \* \* \* STN Columbus \* \* \* \* \*

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=> file medline, agricola, caba, caplus, biosis, biotechno, uspatfull
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          0.21          0.21

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FILE 'CABA' ENTERED AT 11:51:07 ON 23 MAR 2004  
COPYRIGHT (C) 2004 CAB INTERNATIONAL (CABI)

FILE 'BIOSIS' ENTERED AT 11:51:07 ON 23 MAR 2004  
COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'USPATFULL' ENTERED AT 11:51:07 ON 23 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

```
=> s (ferreira, p? or ferreira p?)/au
L2      1414 (FERREIRA, P? OR FERREIRA P?)/AU
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=> s (rombauts, s? or rombauts s?)/au
L3      101 (ROMBAUTS, S? OR ROMBAUTS S?)/AU
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=> s l1 and l2 and l3  
L4                    2 L1 AND L2 AND L3

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=> duplicate remove l4
DUPLICATE PREFERENCE IS 'CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L4
L5          2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)
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L5 ANSWER 1 OF 2 USPATFULL on STN  
TI Plant proteins

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Arabidopsis thaliana CDC27 and CDC7 protein homologs, their sequences,  
recombinant production and use in modulating DNA replication in transgenic  
plants

L5 ANSWER 1 OF 2 USPATFULL on STN  
AN 2002:294714 USPATFULL

TI Plant proteins  
 IN **Hemerly, Adriana Silva**, Rio De Janeiro, RJ, BRAZIL  
     **Ferreira, Paulo Cavalcanti Gomes**, Rio De Janeiro, BRAZIL  
     **Rombauts, Stephane**, Gent, BELGIUM  
 PA CropDesign N.V, GENT, BELGIUM, 9052 (non-U.S. corporation)  
 PI US 2002164757 A1 20021107  
 AI US 2002-36492 A1 20020107 (10)  
 RLI Continuation of Ser. No. WO 2000-EP6401, filed on 5 Jul 2000, UNKNOWN  
 PRAI EP 1999-202214 19990705  
 DT Utility  
 FS APPLICATION  
 LREP MICHAEL BEST & FRIEDRICH, LLP, ONE SOUTH PINCKNEY STREET, P O BOX 1806,  
     MADISON, WI, 53701  
 CLMN Number of Claims: 28  
 ECL Exemplary Claim: 1  
 DRWN 17 Drawing Page(s)  
 LN.CNT 1655  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:31531 CAPLUS  
 DN 134:96271  
 TI Arabidopsis thaliana CDC27 and CDC7 protein homologs, their sequences,  
     recombinant production and use in modulating DNA replication in transgenic  
     plants  
 IN **Hemerly, Adriana Silva; Ferreira, Paulo Cavalcanti Gomes**  
     **; Rombauts, Stephane**  
 PA Cropdesign N.V., Belg.; Universidade Federal do Rio de Janeiro  
 SO PCT Int. Appl., 86 pp.  
     CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002430	A2	20010111	WO 2000-EP6401	20000705
	WO 2001002430	A3	20010927		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1192260	A2	20020403	EP 2000-945887	20000705
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	JP 2003506015	T2	20030218	JP 2001-508217	20000705
	US 2002164757	A1	20021107	US 2002-36492	20020107
PRAI	EP 1999-202214	A	19990705		
	WO 2000-EP6401	W	20000705		

=> s 11 or 12 or 13

L6 1523 L1 OR L2 OR L3

=> s 16 not 14

L7 1521 L6 NOT L4

=> s 17 and cdc27

L8 5 L7 AND CDC27

=> duplicate remove 18

DUPLICATE PREFERENCE IS 'MEDLINE, CABA, CAPLUS, BIOSIS, BIOTECHNO'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L8  
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)

=> d l9 bib

L9 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1  
AN 2002610642 MEDLINE  
DN PubMed ID: 12368267  
TI The Arabidopsis HOBbit gene encodes a CDC27 homolog that links  
the plant cell cycle to progression of cell differentiation.  
AU Bliou Ikram; Frugier Florian; Folmer Saskia; Serralbo Olivier; Willemsen  
Viola; Wolkenfelt Harald; Eloy Nubia B; **Ferreira Paulo C G**;  
Weisbeek Peter; Scheres Ben  
CS Department of Molecular Cell Biology, Utrecht University, 3584 CH Utrecht,  
The Netherlands.  
SO Genes & development, (2002 Oct 1) 16 (19) 2566-75.  
Journal code: 8711660. ISSN: 0890-9369.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AJ487669  
EM 200211  
ED Entered STN: 20021008  
Last Updated on STN: 20030128  
Entered Medline: 20021105

=> d his

(FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
ENTERED AT 11:51:07 ON 23 MAR 2004

L1 97 S (HEMERLY, A? OR HEMERLY A?)/AU  
L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU  
L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU  
L4 2 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)  
L6 1523 S L1 OR L2 OR L3  
L7 1521 S L6 NOT L4  
L8 5 S L7 AND CDC27  
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)

=> s cdc27

L10 370 CDC27

=> s dna(w)replication or cell(w)division

L11 340869 DNA(W) REPLICATION OR CELL(W) DIVISION

=> s l10 and l11

L12 126 L10 AND L11

=> s l12 and (cdna or gene or transform)

L13 98 L12 AND (CDNA OR GENE OR TRANSFORM)

=> s l13 and plant

L14 46 L13 AND PLANT

=> s l14 not l6

L15 39 L14 NOT L6

=> duplicate remove l15

DUPLICATE PREFERENCE IS 'AGRICOLA, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L15  
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)

=> d l16 1-10 ti

L16 ANSWER 1 OF 39 USPATFULL on STN  
TI Novel 13237, 18480, 2245, 16228, 7677, 26320, 46619, 33166, 16836,  
46867, 21617, 55562, 39228, 62088, 46745, 23155, 21657, 42755, 32229,  
22325, 46863 and 32252 molecules and uses therefor

L16 ANSWER 2 OF 39 USPATFULL on STN  
TI Identification of dysregulated genes in patients with multiple sclerosis

L16 ANSWER 3 OF 39 USPATFULL on STN  
TI Poroplasts

L16 ANSWER 4 OF 39 USPATFULL on STN  
TI Minicell-based screening for compounds and proteins that modulate the  
activity of signalling proteins

L16 ANSWER 5 OF 39 USPATFULL on STN  
TI Immunostimulatory G, U-containing oligoribonucleotides

L16 ANSWER 6 OF 39 USPATFULL on STN  
TI Antibodies to native conformations of membrane proteins

L16 ANSWER 7 OF 39 USPATFULL on STN  
TI Reverse screening and target identification with minicells

L16 ANSWER 8 OF 39 USPATFULL on STN  
TI Minicell-based bioremediation

L16 ANSWER 9 OF 39 USPATFULL on STN  
TI Methods of making pharmaceutical compositions with minicells

L16 ANSWER 10 OF 39 USPATFULL on STN  
TI Human genes and **gene** expression products isolated from human  
prostate

=> d l16 11-20 ti

L16 ANSWER 11 OF 39 USPATFULL on STN  
TI Minicell-based delivery agents

L16 ANSWER 12 OF 39 USPATFULL on STN  
TI Cell cycle proteins associated with rad9, compositions and methods of  
use

L16 ANSWER 13 OF 39 USPATFULL on STN  
TI Minicell-based selective absorption

L16 ANSWER 14 OF 39 USPATFULL on STN  
TI Pharmaceutical compositions with minicells

L16 ANSWER 15 OF 39 USPATFULL on STN  
TI Conjugated minicells

L16 ANSWER 16 OF 39 USPATFULL on STN  
TI Methods of minicell-based delivery

L16 ANSWER 17 OF 39 USPATFULL on STN  
TI Minicell-based diagnostics

L16 ANSWER 18 OF 39 USPATFULL on STN  
TI Membrane to membrane delivery

L16 ANSWER 19 OF 39 USPATFULL on STN  
TI Minicell-based **gene** therapy

L16 ANSWER 20 OF 39 USPATFULL on STN  
TI Solid supports with minicells

=> d 116 21-30 ti

L16 ANSWER 21 OF 39 USPATFULL on STN  
TI Minicell libraries

L16 ANSWER 22 OF 39 USPATFULL on STN  
TI Forward screening with minicells

L16 ANSWER 23 OF 39 USPATFULL on STN  
TI Minicell compositions and methods

L16 ANSWER 24 OF 39 USPATFULL on STN  
TI Minicell-based transformation

L16 ANSWER 25 OF 39 USPATFULL on STN  
TI Minicell-producing parent cells

L16 ANSWER 26 OF 39 USPATFULL on STN  
TI Minicell-based rational drug design

L16 ANSWER 27 OF 39 USPATFULL on STN  
TI Target display on minicells

L16 ANSWER 28 OF 39 USPATFULL on STN  
TI Expression profile of prostate cancer

L16 ANSWER 29 OF 39 USPATFULL on STN  
TI Method of modifying **plant** characters by the targeted  
expression of a cell cycle control protein

L16 ANSWER 30 OF 39 USPATFULL on STN  
TI Minicell-based transfection

=> d 116 29 bib

L16 ANSWER 29 OF 39 USPATFULL on STN  
AN 2003:245987 USPATFULL  
TI Method of modifying **plant** characters by the targeted  
expression of a cell cycle control protein  
IN John, Peter Crook Lloyd, Farrer, AUSTRALIA  
Zhang, Kerong, Palmerston, AUSTRALIA  
Sek, Francis John, Monash, AUSTRALIA  
Van Camp, Wim, Sint-Denys-Westrem, BELGIUM  
PI US 2003172404 A1 20030911  
AI US 2002-122085 A1 20020410 (10)  
RLI Continuation-in-part of Ser. No. US 2000-513504, filed on 25 Feb 2000,  
ABANDONED  
PRAI US 1999-121870P 19990226 (60)  
US 1999-149049P 19990816 (60)  
DT Utility  
FS APPLICATION  
LREP GREENLEE WINNER AND SULLIVAN P C, 5370 MANHATTAN CIRCLE, SUITE 201,  
BOULDER, CO, 80303

CLMN Number of Claims: 58  
ECL Exemplary Claim: 1  
DRWN 13 Drawing Page(s)  
LN.CNT 3460  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 116 31-39 ti

L16 ANSWER 31 OF 39 USPATFULL on STN  
TI Minicells comprising membrane proteins

L16 ANSWER 32 OF 39 USPATFULL on STN  
TI Methods and compositions for diagnosing and treating rheumatoid arthritis

L16 ANSWER 33 OF 39 USPATFULL on STN  
TI Combined growth factor-deleted and thymidine kinase-deleted vaccinia virus vector

L16 ANSWER 34 OF 39 USPATFULL on STN  
TI Modulation of **cell division** by an early mitotic inhibitor protein

L16 ANSWER 35 OF 39 USPATFULL on STN  
TI Methods of screening for modulation of cell cycle

L16 ANSWER 36 OF 39 USPATFULL on STN  
TI Vectors having replication, immunogenicity and/or pathogenicity under stress promoter regulation and use thereof

L16 ANSWER 37 OF 39 USPATFULL on STN  
TI Alteration of growth and adaptation under hypoxic conditions

L16 ANSWER 38 OF 39 USPATFULL on STN  
TI TPR-containing genes

L16 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI Molecular cloning and sequence analysis of **cdc27+** required for the G2-M transition in the fission yeast *Schizosaccharomyces pombe*.

=> d 116 34, 35, 36, 37, 39 bib

L16 ANSWER 34 OF 39 USPATFULL on STN  
AN 2003:30888 USPATFULL  
TI Modulation of **cell division** by an early mitotic inhibitor protein  
IN Jackson, Peter K., Stanford, CA, UNITED STATES  
Reimann, Julie Regan, Menlo Park, CA, UNITED STATES  
PI US 2003022837 A1 20030130  
AI US 2002-155789 A1 20020524 (10)  
PRAI US 2001-293921P 20010524 (60)  
DT Utility  
FS APPLICATION  
LREP BOZICEVIC, FIELD & FRANCIS LLP, 200 MIDDLEFIELD RD, SUITE 200, MENLO PARK, CA, 94025  
CLMN Number of Claims: 26  
ECL Exemplary Claim: 1  
DRWN 21 Drawing Page(s)  
LN.CNT 3005  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 35 OF 39 USPATFULL on STN  
AN 2003:321432 USPATFULL  
TI Methods of screening for modulation of cell cycle  
IN Luo, Ying, Los Altos, CA, United States  
Xu, Xiang, South San Francisco, CA, United States  
PA Rigel Pharmaceuticals, Inc., South San Francisco, CA, United States  
(U.S. corporation)  
PI US 6660511 B1 20031209  
AI US 2000-517779 20000303 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Achutamurthy, Ponnathapu; Assistant Examiner: Pak,  
Yong D  
LREP Townsend and Townsend and Crew LLP  
CLMN Number of Claims: 11  
ECL Exemplary Claim: 1  
DRWN 12 Drawing Figure(s); 10 Drawing Page(s)  
LN.CNT 2959  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 36 OF 39 USPATFULL on STN  
AN 2002:301227 USPATFULL  
TI Vectors having replication, immunogenicity and/or pathogenicity under  
stress promoter regulation and use thereof  
IN Gamerman, Gary Eric, Vienna, VA, UNITED STATES  
PI US 2002168771 A1 20021114  
AI US 2001-850270 A1 20010508 (9)  
DT Utility  
FS APPLICATION  
LREP Gary Eric Gamerman, 2158 Bonaventure Drive, Vienna, VA, 22181  
CLMN Number of Claims: 40  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 2365  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 37 OF 39 USPATFULL on STN  
AN 2002:55751 USPATFULL  
TI Alteration of growth and adaptation under hypoxic conditions  
IN Sauter, Margret Maria, Hamburg, GERMANY, FEDERAL REPUBLIC OF  
Lorbiecke, Rene, Hamburg, GERMANY, FEDERAL REPUBLIC OF  
PI US 2002032918 A1 20020314  
AI US 2001-785738 A1 20010216 (9)  
PRAI US 2000-183572P 20000218 (60)  
DT Utility  
FS APPLICATION  
LREP Ann R. Pokalsky, Esq., NIXON PEABODY LLP, 990 Stewart Avenue, Garden  
City, NY, 11530  
CLMN Number of Claims: 36  
ECL Exemplary Claim: 1  
DRWN 11 Drawing Page(s)  
LN.CNT 2847  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2004) on STN  
AN 92:75401 AGRICOLA  
DN IND92043577  
TI Molecular cloning and sequence analysis of *cdc27+* required for  
the G2-M transition in the fission yeast *Schizosaccharomyces pombe*.  
AU Hughes, D.A.; MacNeill, S.A.; Fantes, P.A.  
CS University of Tokyo, Tokyo, Japan



AV DNAL (442.8 Z34)  
SO M G G : Molecular and general genetics, Feb 1992. Vol. 231, No. 3. p.  
401-410  
Publisher: Berlin, W. Ger. : Springer International.  
CODEN: MGGEAE; ISSN: 0026-8925  
NTE Includes references.  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

=> d his

(FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
ENTERED AT 11:51:07 ON 23 MAR 2004

L1 97 S (HEMERLY, A? OR HEMERLY A?)/AU  
L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU  
L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU  
L4 2 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)  
L6 1523 S L1 OR L2 OR L3  
L7 1521 S L6 NOT L4  
L8 5 S L7 AND CDC27  
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)  
L10 370 S CDC27  
L11 340869 S DNA(W)REPLICATION OR CELL(W)DIVISION  
L12 126 S L10 AND L11  
L13 98 S L12 AND (CDNA OR GENE OR TRANSFORM)  
L14 46 S L13 AND PLANT  
L15 39 S L14 NOT L6  
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)

=> s l13 not l14

L17 52 L13 NOT L14

=> duplicate remove l17

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L17

L18 35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)

=> d l18 1-10 ti

L18 ANSWER 1 OF 35 USPATFULL on STN  
TI Classification and prognosis prediction of acute lymphoblastic leukemia  
by **gene** expression profiling

L18 ANSWER 2 OF 35 USPATFULL on STN  
TI 55562 and 21617, novel human proteins and methods of use thereof

L18 ANSWER 3 OF 35 USPATFULL on STN  
TI Novel cyclin-selective ubiquitin carrier polypeptides

L18 ANSWER 4 OF 35 USPATFULL on STN  
TI Methods and products for enhancing immune responses using  
imidazoquinoline compounds

L18 ANSWER 5 OF 35 USPATFULL on STN  
TI Novel human genes and methods of use thereof

L18 ANSWER 6 OF 35 USPATFULL on STN  
TI Inhibitors of phosphoserine and phosphothreonine-proline-specific  
isomerases

L18 ANSWER 7 OF 35 USPATFULL on STN  
TI **cdna** databases for analysis of hematopoietic tissue

L18 ANSWER 8 OF 35 USPATFULL on STN  
TI Methods and compositions for regulating protein-protein interactions

L18 ANSWER 9 OF 35 USPATFULL on STN  
TI Genes encoding proteins involved in mitotic checkpoint control and methods of use thereof

L18 ANSWER 10 OF 35 USPATFULL on STN  
TI Geminin **gene** and protein

=> d 118 9 bib

L18 ANSWER 9 OF 35 USPATFULL on STN  
AN 2003:190663 USPATFULL  
TI Genes encoding proteins involved in mitotic checkpoint control and methods of use thereof  
IN Yen, Timothy, Havertown, PA, United States  
Chan, Gordon, Cheltenham, PA, United States  
Jablonski, Sandra, Philadelphia, PA, United States  
PA Fox Chase Cancer Center, Philadelphia, PA, United States (U.S. corporation)  
PI US 6593098 B1 20030715  
WO 9928334 19990610  
AI US 2000-555554 20000601 (9)  
WO 1998-US25415 19981201  
PRAI US 1997-67093P 19971201 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Monshipouri, M.  
LREP Dann, Dorfman, Herrell & Skillman, P.C., Rigaut, Kathleen D.  
CLMN Number of Claims: 30  
ECL Exemplary Claim: 1  
DRWN 23 Drawing Figure(s); 16 Drawing Page(s)  
LN.CNT 2463  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 118 11-20 ti

L18 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Effects of Oligonucleotide N3' P5' Thio-phosphoramidate (GRN163) Targeting Telomerase RNA in Human Multiple Myeloma Cells

L18 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Replication proteins influence the maintenance of telomere length and telomerase protein stability

L18 ANSWER 13 OF 35 USPATFULL on STN  
TI **cdna** database and biochip for analysis of hematopoietic tissue

L18 ANSWER 14 OF 35 USPATFULL on STN  
TI Novel cyclin-selective ubiquitin carrier polypeptides

L18 ANSWER 15 OF 35 USPATFULL on STN  
TI Pin1 as a marker for abnormal cell growth

L18 ANSWER 16 OF 35 USPATFULL on STN  
TI Methods and compositions for regulating protein-protein interactions

L18 ANSWER 17 OF 35 USPATFULL on STN

TI Inhibitors of phosphoserine and phosphothreonine-proline-specific isomerases

L18 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1

TI The influence of the Cdc27 subunit on the properties of the Schizosaccharomyces pombe DNA polymerase  $\delta$

L18 ANSWER 19 OF 35 USPATFULL on STN

TI Cyclin-selective ubiquitin carrier polypeptides

L18 ANSWER 20 OF 35 MEDLINE on STN

TI Cid1, a fission yeast protein required for S-M checkpoint control when DNA polymerase delta or epsilon is inactivated.

=> d l18 12, 18 bib

L18 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:325608 CAPLUS

DN 139:18255

TI Replication proteins influence the maintenance of telomere length and telomerase protein stability

AU Dahlen, Maria; Sunnerhagen, Per; Wang, Teresa S.-F.

CS Department of Pathology, Stanford University School of Medicine, Stanford, CA, 94305-5324, USA

SO Molecular and Cellular Biology (2003), 23(9), 3031-3042

CODEN: MCEBD4; ISSN: 0270-7306

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1

AN 2002:744189 CAPLUS

DN 138:35244

TI The influence of the Cdc27 subunit on the properties of the Schizosaccharomyces pombe DNA polymerase  $\delta$

AU Bermudez, Vladimir P.; MacNeill, Stuart A.; Tappin, Inger; Hurwitz, Jerard

CS Program of Molecular Biology, Memorial Sloan-Kettering Cancer Center, New York, NY, 10021, USA

SO Journal of Biological Chemistry (2002), 277(39), 36853-36862

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l18 21-30 ti

L18 ANSWER 21 OF 35 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN

TI Essential interaction between the fission yeast DNA polymerase  $\delta$  subunit Cdc27 and Pcn1 (PCNA) mediated through a C-terminal p21(Cip1)-like PCNA binding motif

L18 ANSWER 22 OF 35 MEDLINE on STN

DUPLICATE 2

TI Genetic analyses of Schizosaccharomyces pombe dna2(+) reveal that dna2 plays an essential role in Okazaki fragment metabolism.

L18 ANSWER 23 OF 35 MEDLINE on STN

DUPLICATE 3

TI Isolation and identification of the third subunit of mammalian DNA polymerase delta by PCNA-affinity chromatography of mouse FM3A cell extracts.

L18 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Mutator phenotype induced by aberrant replication

L18 ANSWER 25 OF 35 MEDLINE on STN  
 TI A key role for replication factor C in **DNA replication** checkpoint function in fission yeast.

L18 ANSWER 26 OF 35 USPATFULL on STN  
 TI Assay and reagents for detecting inhibitors of ubiquitin-dependent degradation of cell cycle regulatory proteins

L18 ANSWER 27 OF 35 MEDLINE on STN  
 TI Characterization of the two small subunits of *Saccharomyces cerevisiae* DNA polymerase delta.

L18 ANSWER 28 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Mammalian p53CDC mediates association of the spindle checkpoint protein Mad2 with the cyclosome/anaphase-promoting complex, and is involved in regulating anaphase onset and late mitotic events

L18 ANSWER 29 OF 35 MEDLINE on STN DUPLICATE 4  
 TI Cdm1, the smallest subunit of DNA polymerase  $\delta$  in the fission yeast *Schizosaccharomyces pombe*, is non-essential for growth and division.

L18 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5  
 TI The yeast CDC16 and **CDC27** genes restrict **DNA replication** to once per cell cycle

=> d l18 21, 22, 23, 27, 30 bib

L18 ANSWER 21 OF 35 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN  
 AN 2000:30119835 BIOTECHNO  
 TI Essential interaction between the fission yeast DNA polymerase  $\delta$  subunit **Cdc27** and Pcn1 (PCNA) mediated through a C-terminal p21(Cip1)-like PCNA binding motif  
 AU Reynolds N.; Warbrick E.; Fantes P.A.; MacNeill S.A.  
 CS S.A. MacNeill, Institute Cell and Molecular Biology, University of Edinburgh, King's Buildings, Mayfield Road, Edinburgh EH9 3JR, United Kingdom.  
 E-mail: s.a.macneill@ed.ac.uk  
 SO EMBO Journal, (01 MAR 2000), 19/5 (1108-1118), 42 reference(s)  
 CODEN: EMJODG ISSN: 0261-4189  
 DT Journal; Article  
 CY United Kingdom  
 LA English  
 SL English

L18 ANSWER 22 OF 35 MEDLINE on STN DUPLICATE 2  
 AN 2000404018 MEDLINE  
 DN PubMed ID: 10880469  
 TI Genetic analyses of *Schizosaccharomyces pombe* dna2(+) reveal that dna2 plays an essential role in Okazaki fragment metabolism.  
 AU Kang H Y; Choi E; Bae S H; Lee K H; Gim B S; Kim H D; Park C; MacNeill S A; Seo Y S  
 CS National Creative Research Initiative Center for Cell Cycle Control, Samsung Biomedical Research Institute, Sungkyunkwan University School of Medicine, Changan-Ku Suwon, Kyunggi-Do, 440-746, Korea.  
 SO Genetics, (2000 Jul) 155 (3) 1055-67.  
 Journal code: 0374636. ISSN: 0016-6731.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals

EM 200008  
ED Entered STN: 20000901  
Last Updated on STN: 20030311  
Entered Medline: 20000821

L18 ANSWER 23 OF 35 MEDLINE on STN DUPLICATE 3  
AN 1999238406 MEDLINE  
DN PubMed ID: 10219083  
TI Isolation and identification of the third subunit of mammalian DNA polymerase delta by PCNA-affinity chromatography of mouse FM3A cell extracts.  
AU Hughes P; Tratner I; Ducoux M; Piard K; Baldacci G  
CS Centre National de la Recherche Scientifique (CNRS), UPR9044, Institut de Recherches sur le Cancer, 7 rue Guy Moquet BP 8, 94801 Villejuif, France.. hughes@infobiogen.fr  
SO Nucleic acids research, (1999 May 15) 27 (10) 2108-14.  
Journal code: 0411011. ISSN: 0305-1048.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199906  
ED Entered STN: 19990712  
Last Updated on STN: 20011003  
Entered Medline: 19990624

L18 ANSWER 27 OF 35 MEDLINE on STN  
AN 1998344072 MEDLINE  
DN PubMed ID: 9677405  
TI Characterization of the two small subunits of Saccharomyces cerevisiae DNA polymerase delta.  
AU Gerik K J; Li X; Pautz A; Burgers P M  
CS Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine, St. Louis, Missouri 63110, USA.  
NC GM32431 (NIGMS)  
SO Journal of biological chemistry, (1998 Jul 31) 273 (31) 19747-55.  
Journal code: 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199809  
ED Entered STN: 19980917  
Last Updated on STN: 19980917  
Entered Medline: 19980910

L18 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 5  
AN 1996:222732 CAPLUS  
DN 124:255524  
TI The yeast CDC16 and CDC27 genes restrict DNA replication to once per cell cycle  
AU Heichman, Karen A.; Roberts, James M.  
CS Division Basic Sciences, Fred Hutchinson Cancer Res. Center, Seattle, WA, 98104, USA  
SO Cell (Cambridge, Massachusetts) (1996), 85(1), 39-48  
CODEN: CELLB5; ISSN: 0092-8674  
PB Cell Press  
DT Journal  
LA English

=> d l18 31-35 ti

L18 ANSWER 31 OF 35 MEDLINE on STN DUPLICATE 6  
TI Localization of the human homolog of the yeast cell

**division** control 27 **gene** (CDC27) proximal to  
ITGB3 on human chromosome 17q21.3.

L18 ANSWER 32 OF 35 MEDLINE on STN DUPLICATE 7  
TI Molecular cloning and sequence analysis of **cdc27+** required for  
the G2-M transition in the fission yeast *Schizosaccharomyces pombe*.  
  
L18 ANSWER 33 OF 35 MEDLINE on STN  
TI Controlling cell cycle progress in the fission yeast *Schizosaccharomyces pombe*.  
  
L18 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Dependency relations between events in mitosis in *Schizosaccharomyces pombe*  
  
L18 ANSWER 35 OF 35 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 8  
TI Two **cell division** cycle mutants of *Saccharomyces cerevisiae* are defective in transmission of mitochondria to zygotes

=> d 118 31, 32, 33 bib

L18 ANSWER 31 OF 35 MEDLINE on STN DUPLICATE 6  
AN 96195808 MEDLINE  
DN PubMed ID: 8619132  
TI Localization of the human homolog of the yeast **cell division** control 27 **gene** (CDC27) proximal to  
ITGB3 on human chromosome 17q21.3.  
AU Ho P P; Couch F J; Brody L C; Abel K J; Boehnke M; Shearon T H;  
Chandrasekharappa S C; Collins F S; Weber B L  
CS Wayne State University, Department of Immunology and Microbiology,  
Detroit, Michigan 48201, USA.  
NC R01 CA57601 (NCI)  
R01 CA61231 (NCI)  
R01 HG60209 (NHGRI)  
SO Somatic cell and molecular genetics, (1995 Sep) 21 (5) 351-5.  
Journal code: 8403568. ISSN: 0740-7750.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199606  
ED Entered STN: 19960620  
Last Updated on STN: 19980206  
Entered Medline: 19960613  
  
L18 ANSWER 32 OF 35 MEDLINE on STN DUPLICATE 7  
AN 92167959 MEDLINE  
DN PubMed ID: 1538696  
TI Molecular cloning and sequence analysis of **cdc27+** required for  
the G2-M transition in the fission yeast *Schizosaccharomyces pombe*.  
AU Hughes D A; MacNeill S A; Fantes P A  
CS Institute of Cell and Molecular Biology, University of Edinburgh, UK.  
SO Molecular & general genetics : MGG, (1992 Feb) 231 (3) 401-10.  
Journal code: 0125036. ISSN: 0026-8925.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-M74062; GENBANK-M83307  
EM 199203  
ED Entered STN: 19920417  
Last Updated on STN: 19950206  
Entered Medline: 19920331

L18 ANSWER 33 OF 35 MEDLINE on STN  
 AN 93005561 MEDLINE  
 DN PubMed ID: 1840886  
 TI Controlling cell cycle progress in the fission yeast *Schizosaccharomyces pombe*.  
 AU MacNeill S A; Warbrick E; Fantes P A  
 CS Institute of Cell and Molecular Biology, University of Edinburgh, UK.  
 SO Current opinion in genetics & development, (1991 Oct) 1 (3) 307-12. Ref: 60  
 Journal code: 9111375. ISSN: 0959-437X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199211  
 ED Entered STN: 19930122  
 Last Updated on STN: 19930122  
 Entered Medline: 19921125

=> d his

(FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
 ENTERED AT 11:51:07 ON 23 MAR 2004

L1 97 S (HEMERLY, A? OR HEMERLY A?)/AU  
 L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU  
 L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU  
 L4 2 S L1 AND L2 AND L3  
 L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)  
 L6 1523 S L1 OR L2 OR L3  
 L7 1521 S L6 NOT L4  
 L8 5 S L7 AND CDC27  
 L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)  
 L10 370 S CDC27  
 L11 340869 S DNA(W)REPLICATION OR CELL(W)DIVISION  
 L12 126 S L10 AND L11  
 L13 98 S L12 AND (CDNA OR GENE OR TRANSFORM)  
 L14 46 S L13 AND PLANT  
 L15 39 S L14 NOT L6  
 L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)  
 L17 52 S L13 NOT L14  
 L18 35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)

=> s dna(w)polymerase(w)delta  
 L19 2471 DNA(W) POLYMERASE(W) DELTA

=> s l19 and plant  
 L20 115 L19 AND PLANT

=> s l20 and arabidopsis  
 L21 9 L20 AND ARABIDOPSIS

=> duplicate remove l21  
 DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS, USPATFULL'  
 KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
 PROCESSING COMPLETED FOR L21  
 L22 8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)

=> d l22 1-8 ti

L22 ANSWER 1 OF 8 USPATFULL on STN

TI Rice promoters for regulation of **plant** expression

L22 ANSWER 2 OF 8 USPATFULL on STN  
 TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity

L22 ANSWER 3 OF 8 USPATFULL on STN  
 TI Human genes and gene expression products

L22 ANSWER 4 OF 8 USPATFULL on STN  
 TI Nucleic acids, proteins and antibodies

L22 ANSWER 5 OF 8 USPATFULL on STN  
 TI Method of using DNA episomes to suppress gene expression in plants

L22 ANSWER 6 OF 8 USPATFULL on STN  
 TI Method of using DNA episomes to suppress gene expression in plants

L22 ANSWER 7 OF 8 USPATFULL on STN  
 TI Nucleic acids, proteins and antibodies

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1  
 TI Two distinct proliferating cell nuclear antigens are present in the wheat cell

=> d 122 1,8 bib

L22 ANSWER 1 OF 8 USPATFULL on STN  
 AN 2004:20717 USPATFULL  
 TI Rice promoters for regulation of **plant** expression  
 IN Budworth, Paul, San Diego, CA, UNITED STATES  
 Moughamer, Todd, San Diego, CA, UNITED STATES  
 Briggs, Steven P., Del Mar, CA, UNITED STATES  
 Cooper, Bret, La Jolla, CA, UNITED STATES  
 Glazebrook, Jane, San Diego, CA, UNITED STATES  
 Goff, Stephen Arthur, Encinitas, CA, UNITED STATES  
 Katagiri, Fumiaki, San Diego, CA, UNITED STATES  
 Kreps, Joel, Carlsbad, CA, UNITED STATES  
 Provar, Nicholas, Toronto, CANADA  
 Ricke, Darrell, San Diego, CA, UNITED STATES  
 Zhu, Tong, San Diego, CA, UNITED STATES

PI	US 2004016025	A1	20040122
AI	US 2002-260238	A1	20020926 (10)
PRAI	US 2001-325448P		20010926 (60)
	US 2001-325277P		20010926 (60)
	US 2002-370620P		20020404 (60)

DT Utility  
 FS APPLICATION  
 LREP James E. Butler, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA, 92121  
 CLMN Number of Claims: 77  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 18818  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1  
 AN 2002:725365 CAPLUS  
 DN 138:52677  
 TI Two distinct proliferating cell nuclear antigens are present in the wheat cell  
 AU Toueille, Magali; Saint-Jean, Bruno; Rome, Claire; Couillaud, Franck; Castroviejo, Michel; Benedetto, Jean-Pierre  
 CS Laboratoire Replication et Expression des Genomes Eucaryotes et



Retroviraux, Universite Bordeaux 2-CNRS (UMR 5097), Bordeaux, 33076, Fr.  
SO Plant Physiology and Biochemistry (Paris, France) (2002), 40(9), 743-748  
CODEN: PPBIEX; ISSN: 0981-9428  
PB Editions Scientifiques et Medicales Elsevier  
DT Journal  
LA English  
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:51:00 ON 23 MAR 2004)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
ENTERED AT 11:51:07 ON 23 MAR 2004

L1 97 S (HEMERLY, A? OR HEMERLY A?)/AU  
L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU  
L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU  
L4 2 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)  
L6 1523 S L1 OR L2 OR L3  
L7 1521 S L6 NOT L4  
L8 5 S L7 AND CDC27  
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)  
L10 370 S CDC27  
L11 340869 S DNA(W)REPLICATION OR CELL(W)DIVISION  
L12 126 S L10 AND L11  
L13 98 S L12 AND (CDNA OR GENE OR TRANSFORM)  
L14 46 S L13 AND PLANT  
L15 39 S L14 NOT L6  
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)  
L17 52 S L13 NOT L14  
L18 35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)  
L19 2471 S DNA(W)POLYMERASE(W)DELTA  
L20 115 S L19 AND PLANT  
L21 9 S L20 AND ARABIDOPSIS  
L22 8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)

=> s l20 and (gene or cdna or sequence or cloned)

L23 98 L20 AND (GENE OR CDNA OR SEQUENCE OR CLONED)

=> s l23 not l21

L24 89 L23 NOT L21

=> duplicate remove l 24

ENTER L# LIST OR (END):l24

'L' IS NOT VALID. VALID FILE NAMES ARE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'

You have entered a file name of duplicates to keep that is not referenced by any of the L#s specified for this DUPLICATE command.

The file names of duplicates that can be kept are listed above.

Please enter one of these file names.

ENTER FILE NAMES OF DUPLICATES TO KEEP:caba

PROCESSING COMPLETED FOR L24

L25 58 DUPLICATE REMOVE L24 CABA (31 DUPLICATES REMOVED)

=> duplicate remove l23

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L23

L26 66 DUPLICATE REMOVE L23 (32 DUPLICATES REMOVED)

=> d l26 1-10 ti

L26 ANSWER 1 OF 66 USPATFULL on STN  
 TI Thermotoga maritima delta prime polymerase subunit and use thereof

L26 ANSWER 2 OF 66 USPATFULL on STN  
 TI Nucleic acid encoding aquifex aeolicus delta prime polymerase subunit

L26 ANSWER 3 OF 66 USPATFULL on STN  
 TI Nucleic acid encoding bacillus stearothermophilus tau polymerase subunit

L26 ANSWER 4 OF 66 USPATFULL on STN  
 TI Nucleic acid encoding thermotoga maritima delta prime polymerase subunit

L26 ANSWER 5 OF 66 USPATFULL on STN  
 TI Nucleic acid encoding bacillus stearothermophilus delta polymerase subunit

L26 ANSWER 6 OF 66 USPATFULL on STN  
 TI Identification of dysregulated genes in patients with multiple sclerosis

L26 ANSWER 7 OF 66 USPATFULL on STN  
 TI Rice promoters for regulation of **plant** expression

L26 ANSWER 8 OF 66 USPATFULL on STN  
 TI Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity

L26 ANSWER 9 OF 66 USPATFULL on STN  
 TI Chimeric antigen binding molecules and methods for making and using them

L26 ANSWER 10 OF 66 USPATFULL on STN  
 TI Sensitization of cells to cytotoxic agents using oligonucleotides directed to nucleotide excision repair or transcritpion coupled repair genes

=> d 126 11-20 ti

L26 ANSWER 11 OF 66 USPATFULL on STN  
 TI Compositions and methods for making polynucleotides by iterative assembly of codon building blocks

L26 ANSWER 12 OF 66 USPATFULL on STN  
 TI Novel DNA polymerase III holoenzyme delta subunit nucleic acid molecules and proteins

L26 ANSWER 13 OF 66 USPATFULL on STN  
 TI Methods for purifying double-stranded nucleic acids lacking base pair mismatches or nucleotide gaps

L26 ANSWER 14 OF 66 USPATFULL on STN  
 TI Nck SH3 binding peptides

L26 ANSWER 15 OF 66 USPATFULL on STN  
 TI Discovery and diagnostic methods using 5-methylcytosine DNA glycosylase

L26 ANSWER 16 OF 66 USPATFULL on STN  
 TI Methods for amplifying and sequencing nucleic acid molecules using a three component polymerase

L26 ANSWER 17 OF 66 USPATFULL on STN  
 TI Nucleic acid molecules encoding CEL I endonuclease and methods of use thereof

L26 ANSWER 18 OF 66 USPATFULL on STN

TI Methods for purifying annealed double-stranded oligonucleotides lacking base pair mismatches or nucleotide gaps

L26 ANSWER 19 OF 66 USPATFULL on STN

TI Senescent cell-derived inhibitors of DNA synthesis

L26 ANSWER 20 OF 66 USPATFULL on STN

TI Isolated genomic polynucleotide fragments from chromosome 7

=> d 126 21-30 ti

L26 ANSWER 21 OF 66 USPATFULL on STN

TI DNA replication proteins of Gram positive bacteria and their use to screen for chemical inhibitors

L26 ANSWER 22 OF 66 USPATFULL on STN

TI Human cDNAs and proteins and uses thereof

L26 ANSWER 23 OF 66 USPATFULL on STN

TI Mutant p21Cip1/WAF1 and cell growth control and cell growth control

L26 ANSWER 24 OF 66 USPATFULL on STN

TI 6,9-disubstituted 2-[trans-(4-aminocyclohexyl) amino] purines

L26 ANSWER 25 OF 66 USPATFULL on STN

TI Human genes and **gene** expression products

L26 ANSWER 26 OF 66 USPATFULL on STN

TI Antifungal compounds and methods of use

L26 ANSWER 27 OF 66 USPATFULL on STN

TI Polymerase kappa compositions and methods thereof

L26 ANSWER 28 OF 66 USPATFULL on STN

TI Human **gene** encoding 3'-5' exonuclease

L26 ANSWER 29 OF 66 USPATFULL on STN

TI Methods for amplifying and sequencing nucleic acid molecules using a three component polymerase

L26 ANSWER 30 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Geminiviruses and host **gene** expression.

=> d 126 31-40 ti

L26 ANSWER 31 OF 66 CABA COPYRIGHT 2004 CABI on STN

TI Molecular characterization of the major virion protein **gene** from the Trichoplusia ni ascovirus.

L26 ANSWER 32 OF 66 USPATFULL on STN

TI Methods and compositions for increasing protein yield from a cell culture

L26 ANSWER 33 OF 66 USPATFULL on STN

TI Nucleic acids, proteins and antibodies

L26 ANSWER 34 OF 66 USPATFULL on STN

TI Method of using DNA episomes to suppress **gene** expression in plants

L26 ANSWER 35 OF 66 USPATFULL on STN

TI Modulating response to genotoxic stress

L26 ANSWER 36 OF 66 USPATFULL on STN  
 TI Method of using DNA episomes to suppress **gene** expression in plants

L26 ANSWER 37 OF 66 USPATFULL on STN  
 TI Nucleic acids, proteins and antibodies

L26 ANSWER 38 OF 66 USPATFULL on STN  
 TI 6, 9-disubstituted 2-[trans-(4-aminocyclohexyl)amino] purines

L26 ANSWER 39 OF 66 USPATFULL on STN  
 TI Nck SH3 binding peptides

L26 ANSWER 40 OF 66 USPATFULL on STN  
 TI 6,9,-disubstituted 2-[trans-(4-aminocyclohexyl) amino] purines

=> d l26 41-50 ti

L26 ANSWER 41 OF 66 USPATFULL on STN  
 TI Senscent cell-derived inhibitors of DNA synthesis

L26 ANSWER 42 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1  
 TI Two distinct proliferating cell nuclear antigens are present in the wheat cell

L26 ANSWER 43 OF 66 MEDLINE on STN DUPLICATE 2  
 TI Characterization of **DNA polymerase delta** from a higher **plant**, rice (*Oryza sativa* L.).

L26 ANSWER 44 OF 66 USPATFULL on STN  
 TI GRB2 SH3 binding peptides and methods of isolating and using same

L26 ANSWER 45 OF 66 MEDLINE on STN DUPLICATE 3  
 TI Proliferating cell nuclear antigen transcription is repressed through an E2F consensus element and activated by geminivirus infection in mature leaves.

L26 ANSWER 46 OF 66 USPATFULL on STN  
 TI Cell division regulators

L26 ANSWER 47 OF 66 USPATFULL on STN  
 TI Cell division regulators

L26 ANSWER 48 OF 66 USPATFULL on STN  
 TI Cell division regulators

L26 ANSWER 49 OF 66 MEDLINE on STN DUPLICATE 4  
 TI A full-length **cdna** of hREV3 is predicted to encode DNA polymerase zeta for damage-induced mutagenesis in humans.

L26 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Biochemical characterization of **DNA polymerase delta** and cloning of its **cdna** from the Glycine max cell line, SB-M

=> d l26 43, 45, 50 bib

L26 ANSWER 43 OF 66 MEDLINE on STN DUPLICATE 2  
 AN 2002479991 MEDLINE  
 DN PubMed ID: 12242007  
 TI Characterization of **DNA polymerase delta** from a higher **plant**, rice (*Oryza sativa* L.).  
 AU Uchiyama Yukinobu; Hatanaka Masami; Kimura Seisuke; Ishibashi Toyotaka;

Ueda Tadamasa; Sakakibara Yoshiaki; Matsumoto Takashi; Furukawa Tomoyuki;  
 Hashimoto Junji; Sakaguchi Kengo  
 CS Department of Applied Biological Science, Faculty of Science and  
 Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba  
 278-8510, Japan.  
 SO Gene, (2002 Jul 24) 295 (1) 19-26.  
 Journal code: 7706761. ISSN: 0378-1119.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AB037899  
 EM 200301  
 ED Entered STN: 20020921  
 Last Updated on STN: 20030124  
 Entered Medline: 20030123

L26 ANSWER 45 OF 66 MEDLINE on STN DUPLICATE 3  
 AN 2001334386 MEDLINE  
 DN PubMed ID: 11402171  
 TI Proliferating cell nuclear antigen transcription is repressed through an  
 E2F consensus element and activated by geminivirus infection in mature  
 leaves.  
 AU Egelkrout E M; Robertson D; Hanley-Bowdoin L  
 CS Department of Biochemistry, North Carolina State University, Raleigh,  
 North Carolina 27695-7622, USA.  
 SO Plant cell, (2001 Jun) 13 (6) 1437-52.  
 Journal code: 9208688. ISSN: 1040-4651.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200108  
 ED Entered STN: 20010820  
 Last Updated on STN: 20010820  
 Entered Medline: 20010816

L26 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:135921 CAPLUS  
 DN 130:164701  
 TI Biochemical characterization of **DNA polymerase**  
**delta** and cloning of its **cDNA** from the Glycine max cell  
 line, SB-M  
 AU Collins, Jeannie T. B.  
 CS Univ. of Southern Mississippi, Hattiesburg, MS, USA  
 SO (1998) 111 pp. Avail.: UMI, Order No. DA9840821  
 From: Diss. Abstr. Int., B 1999, 59(7), 3410  
 DT Dissertation  
 LA English

=> d 126 51-60 ti

L26 ANSWER 51 OF 66 USPATFULL on STN  
 TI Treatment and detection of tuberculosis, leprosy, and related diseases

L26 ANSWER 52 OF 66 USPATFULL on STN  
 TI Non-radioactive DNA sequencing

L26 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Molecular genetic and biochemical analysis of Brassica napus proliferating  
 cell nuclear antigen function

L26 ANSWER 54 OF 66 MEDLINE on STN DUPLICATE 5  
 TI The proliferating cell nuclear antigen (PCNA) **gene** family in Zea

mays is composed of two members that have similar expression programmes.

- L26 ANSWER 55 OF 66 MEDLINE on STN DUPLICATE 6  
TI Two of three promoter elements identified in a rice **gene** for proliferating cell nuclear antigen are essential for meristematic tissue-specific expression.
- L26 ANSWER 56 OF 66 MEDLINE on STN  
TI A geminivirus induces expression of a host DNA synthesis protein in terminally differentiated **plant** cells.
- L26 ANSWER 57 OF 66 MEDLINE on STN DUPLICATE 7  
TI Expression of functional proliferating-cell nuclear antigen from rice (*Oryza sativa*) in *Escherichia coli*. Activity in association with human **DNA polymerase delta**.
- L26 ANSWER 58 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 8  
TI The molecular genetics and biochemistry of DNA replication.
- L26 ANSWER 59 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 9  
TI Identification of carrot **cDNA** clones encoding a second putative proliferating cell-nuclear antigen, **DNA polymerase delta** auxiliary protein.
- L26 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Highly conserved structure of proliferating cell nuclear antigen ( **DNA polymerase**  $\delta$  auxiliary protein) **gene** in plants

=> d l26 53-60 bib

- L26 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:513865 CAPLUS  
DN 127:215799  
TI Molecular genetic and biochemical analysis of *Brassica napus* proliferating cell nuclear antigen function  
AU Markley, Nancy-Ann; Young, Dallan; Laquel, Patricia; Castroviejo, Michel; Moloney, Maurice M.  
CS Department of Medical Biochemistry, University of Calgary Health Sciences Center, Calgary, AB, T2N 4N1, Can.  
SO Plant Molecular Biology (1997), 34(4), 693-700  
CODEN: PMBIDB; ISSN: 0167-4412  
PB Kluwer  
DT Journal  
LA English
- L26 ANSWER 54 OF 66 MEDLINE on STN DUPLICATE 5  
AN 97398132 MEDLINE  
DN PubMed ID: 9256057  
TI The proliferating cell nuclear antigen (PCNA) **gene** family in *Zea mays* is composed of two members that have similar expression programmes.  
AU Lopez I; Khan S; Vazquez J; Hussey P J  
CS Instituto de Investigaciones Biomedicas, Universidad Nacional Autonoma de Mexico, Mexico, D.F.. ilopez@servidor.unam.mx  
SO Biochimica et biophysica acta, (1997 Jul 17) 1353 (1) 1-6.  
Journal code: 0217513. ISSN: 0006-3002.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)

LA English  
FS Priority Journals  
OS GENBANK-U87949  
EM 199708  
ED Entered STN: 19970908  
Last Updated on STN: 19970908  
Entered Medline: 19970825

L26 ANSWER 55 OF 66 MEDLINE on STN DUPLICATE 6  
AN 95322995 MEDLINE  
DN PubMed ID: 7599648  
TI Two of three promoter elements identified in a rice **gene** for  
proliferating cell nuclear antigen are essential for meristematic  
tissue-specific expression.  
AU Kosugi S; Suzuka I; Ohashi Y  
CS National Institute of Agrobiological Resources, Ibaraki, Japan.  
SO Plant journal : for cell and molecular biology, (1995 Jun) 7 (6) 877-86.  
Journal code: 9207397. ISSN: 0960-7412.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199508  
ED Entered STN: 19950822  
Last Updated on STN: 19950822  
Entered Medline: 19950808

L26 ANSWER 56 OF 66 MEDLINE on STN  
AN 95375537 MEDLINE  
DN PubMed ID: 7647562  
TI A geminivirus induces expression of a host DNA synthesis protein in  
terminally differentiated **plant** cells.  
AU Nagar S; Pedersen T J; Carrick K M; Hanley-Bowdoin L; Robertson D  
CS Department of Botany, North Carolina State University, Raleigh 27695-7612,  
USA.  
NC AI08511 (NIAID)  
SO Plant cell, (1995 Jun) 7 (6) 705-19.  
Journal code: 9208688. ISSN: 1040-4651.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199509  
ED Entered STN: 19951005  
Last Updated on STN: 19951005  
Entered Medline: 19950928

L26 ANSWER 57 OF 66 MEDLINE on STN DUPLICATE 7  
AN 94307259 MEDLINE  
DN PubMed ID: 7913441  
TI Expression of functional proliferating-cell nuclear antigen from rice  
(Oryza sativa) in Escherichia coli. Activity in association with human  
**DNA polymerase delta**.  
AU Matsumoto T; Hata S; Suzuka I; Hashimoto J  
CS Department of Molecular Biology, National Institute of Agrobiological  
Resources, Ibaraki, Japan.  
SO European journal of biochemistry / FEBS, (1994 Jul 1) 223 (1) 179-87.  
Journal code: 0107600. ISSN: 0014-2956.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199408  
ED Entered STN: 19940825  
Last Updated on STN: 19980206

Entered Medline: 19940817

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- AN 93:81397 AGRICOLA  
DN IND93055580  
TI The molecular genetics and biochemistry of DNA replication.  
AU Aves, S.J.; Bryant, J.A.  
AV DNAL (QK725.M74 1993)  
SO [Molecular and cell biology of the plant cell cycle : proceedings of a meeting held at Lancaster University, 9-10 April 1992 / edited by John Ormrod and D. Francis], p. 45-56  
Publisher: Dordrecht : Kluwer Academic, c1993.  
ISBN: 079231767X.
- NTE Literature review.  
Includes references.
- DT Article; (SURVEY OF LITURATURE)  
FS Non-U.S. Imprint other than FAO  
LA English
- L26 ANSWER 59 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 9
- AN 92:63299 AGRICOLA  
DN IND92036241  
TI Identification of carrot **cdna** clones encoding a second putative proliferating cell-nuclear antigen, **DNA polymerase delta** auxiliary protein.  
AU Hata, S.; Kouchi, H.; Tanaka, Y.; Minami, E.; Matsumoto, T.; Suzuka, I.; Hashimoto, J.  
CS Himeji Institute of Technology, Hyogo, Japan  
AV DNAL (QP501.E8)  
SO European journal of biochemistry, Feb 1992. Vol. 203, No. 3. p. 367-371  
Publisher: New York, NY : Springer-Verlag New York Inc.  
CODEN: EJBCAI; ISSN: 0014-2956
- NTE Includes references.
- DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English
- L26 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 1991:443079 CAPLUS  
DN 115:43079  
TI Highly conserved structure of proliferating cell nuclear antigen ( **DNA polymerase delta** auxiliary protein) **gene** in plants  
AU Suzuka, Iwao; Hata, Shingo; Matsuoka, Makoto; Kosugi, Shunichi; Hashimoto, Junji  
CS Natl. Inst. Agrobiol. Resour., Tsukuba, 305, Japan  
SO European Journal of Biochemistry (1991), 195(2), 571-5  
CODEN: EJBCAI; ISSN: 0014-2956
- DT Journal  
LA English

=> d 126 61-66 ti

- L26 ANSWER 61 OF 66 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
- TI Molecular cloning, structure and expression of the yeast proliferating



cell nuclear antigen **gene**.

- L26 ANSWER 62 OF 66 MEDLINE on STN DUPLICATE 10  
TI **Gene** for proliferating-cell nuclear antigen (**DNA polymerase delta** auxiliary protein) is present in both mammalian and higher **plant** genomes.
- L26 ANSWER 63 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI PROLIFERATING CELL NUCLEAR ANTIGEN PCNA-CYCLIN REVIEW AND SOME NEW FINDINGS.
- L26 ANSWER 64 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.
- L26 ANSWER 65 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
TI PCNA/**DNA polymerase**  $\delta$  auxiliary protein and molecular cloning of the **gene**
- L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
TI The **gene** for PCNA (**DNA polymerase-delta** auxiliary protein) is present in higher **plant** genomes

=> d l2662, 64, 66 bib

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TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.
- L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
TI The **gene** for PCNA (**DNA polymerase-delta** auxiliary protein) is present in higher **plant** genomes

=> d l26 64, 66 bib

- L26 ANSWER 64 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1989:41638 BIOSIS  
DN PREV198936018955; BR36:18955  
TI THE **GENE** FOR PCNA **DNA POLYMERASE-DELTA** AUXILIARY PROTEIN IS PRESENT IN HIGHER **PLANT** GENOMES.
- AU MORIUCHI T [Reprint author]; SUZUKA I; KADOWAKI K-I; DAIDOJI H; TAKASAKI Y; NAKANE P K  
CS DEP CELL BIOL, TOKAI UNIV SCH MED, ISEHARA 259-11  
SO Nucleic Acids Symp. Ser., (1988) pp. 7-8. OHTSUKA, E. (ED.). NUCLEIC ACIDS SYMPOSIUM SERIES, NO. 20. FIFTEENTH SYMPOSIUM ON NUCLEIC ACIDS CHEMISTRY, SAPPORO, JAPAN, SEPTEMBER 19-21, 1988. VII+148P. IRL PRESS, LTD.: OXFORD, ENGLAND, UK; WASHINGTON, D.C., USA. ILLUS.  
Publisher: Series: Nucleic Acids Symposium Series.  
CODEN: NACSD8. ISSN: 0261-3166. ISBN: 1-85221-106-7.
- DT Book  
Conference; (Meeting)  
FS BR

LA ENGLISH  
ED Entered STN: 27 Dec 1988  
Last Updated on STN: 27 Dec 1988

L26 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1988:523683 CAPLUS  
DN 109:123683

TI The **gene** for PCNA (**DNA polymerase-  
delta** auxiliary protein) is present in higher **plant**  
genomes

AU Moriuchi, Tetsuya; Suzuka, Iwao; Kadowaki, Koh-ichi; Daidoji, Hideyuki;  
Takasaki, Yoshinari; Nakane, Paul K.

CS Sch. Med., Tokai Univ., Isehara, 259-11, Japan

SO Nucleic Acids Symposium Series (1988), 20, 7-8  
CODEN: NACSD8; ISSN: 0261-3166

DT Journal

LA English

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO, USPATFULL'  
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L2 1414 S (FERREIRA, P? OR FERREIRA P?)/AU  
L3 101 S (ROMBAUTS, S? OR ROMBAUTS S?)/AU  
L4 2 S L1 AND L2 AND L3  
L5 2 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)  
L6 1523 S L1 OR L2 OR L3  
L7 1521 S L6 NOT L4  
L8 5 S L7 AND CDC27  
L9 1 DUPLICATE REMOVE L8 (4 DUPLICATES REMOVED)  
L10 370 S CDC27  
L11 340869 S DNA(W) REPLICATION OR CELL(W) DIVISION  
L12 126 S L10 AND L11  
L13 98 S L12 AND (CDNA OR GENE OR TRANSFORM)  
L14 46 S L13 AND PLANT  
L15 39 S L14 NOT L6  
L16 39 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)  
L17 52 S L13 NOT L14  
L18 35 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)  
L19 2471 S DNA(W) POLYMERASE(W) DELTA  
L20 115 S L19 AND PLANT  
L21 9 S L20 AND ARABIDOPSIS  
L22 8 DUPLICATE REMOVE L21 (1 DUPLICATE REMOVED)  
L23 98 S L20 AND (GENE OR CDNA OR SEQUENCE OR CLONED)  
L24 89 S L23 NOT L21  
L25 58 DUPLICATE REMOVE L24 CABA (31 DUPLICATES REMOVED)  
L26 66 DUPLICATE REMOVE L23 (32 DUPLICATES REMOVED)

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